

aiwa

COMPACT
disc
DIGITAL AUDIO

**OPERATING INSTRUCTIONS
MANUAL DE INSTRUCCIONES
MODE D'EMPLOI**

CDC-X207 YU

**STEREO CAR CD RECEIVER
RADIO-TOCADISCOS DE CD ESTEREOFONICO PARA
AUTOMOVIL**

ENGLISH

ESPAÑOL

FRANÇAIS

OWNER'S RECORD

For your convenience, record the model number and serial number (you will find them on the right side of your set) in the space provided below. Please refer to them when you contact your AIWA dealer in case of difficulty.

Model No.

Serial No.

Welcome

Thank you for your purchasing this AIWA product. To optimize the performance of this unit, please read through this manual carefully.

In addition to this operating instructions manual, be sure to refer to the separate installation and connections manuals as well.

PRECAUTIONS

- This unit is designed to be operated on a 12-volt DC negative-ground electrical system only.
- To prevent short-circuiting, disconnect the negative car battery terminal until the unit has been mounted and connected completely.
- When replacing the fuse, be sure to use one whose amperage rating is identical. Use of a fuse of higher amperage may cause serious damage to the unit.
- Do NOT attempt to disassemble this unit. Laser rays from the optical pickup are dangerous to the eyes.
- Make sure that pins or other foreign objects do not get inside the unit; they may cause malfunctioning, or a safety hazard such as electrical shock or exposure of laser rays.
- When your car was parked in direct sunlight resulting in a considerable rise in temperature inside the car, allow the unit to cool off before operating it.
- Keep the volume at such a level that you can hear outside warning sounds (horns, sirens, etc.).

NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION

Modifications or adjustments to this product, which are not expressly approved by the manufacturer, may void the user's right or authority to operate this product.

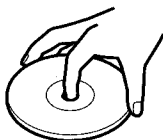
In addition to ordinary CDs, CD-Rs or CD-RWs can be read by this unit. However, NEVER use a CD-R or CD-RW that contains no data or data in the wrong format, such as MP 3 or other computer files.

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Notes on CDs

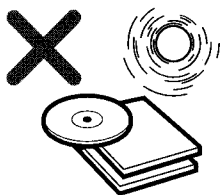
- A defective or soiled CD inserted in the unit can cause sound to drop out during playback.
- Handle a CD by holding its inner and outer edges.



- Do NOT touch the surface of the unlabeled side of a CD.
- Do NOT stick paper or tape etc. onto the surface.



- Do NOT expose the CD to direct sunlight or excessive heat.



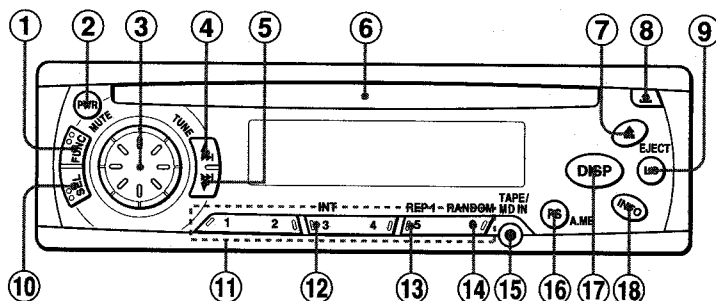
- Clean the CD before playback. Wipe the CD from the center outward with a cleaning cloth.



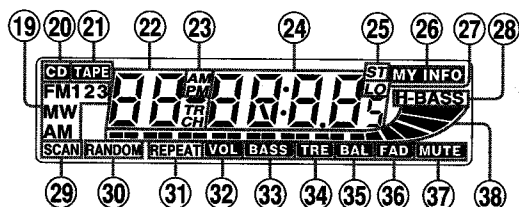
- NEVER use solvents such as benzine or alcohol to clean a CD.
- Smaller 3-inch (8-cm) CDs cannot be played on this unit. And do not use an adaptor as it may cause a malfunction. NEVER insert a 3-inch (8-cm) CD or its adaptor. If inserted, it may not eject.
- Do NOT use irregularly shaped CDs (example: heart-shaped, octagonal ones). Doing so may result in a malfunction. NEVER insert an irregularly shaped CD. If inserted, it may not eject.

PARTS AND CONTROLS

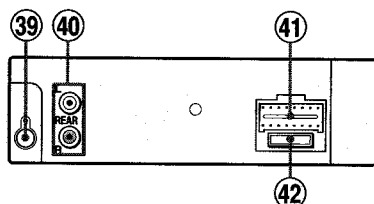
Front panel



Display window



Rear panel



Front panel

- ① FUNC (function) button
- ② PWR (power on/off)/MUTE button
- ③ Jog Dial
- ④ TUNE ▲/▶▶ (forward skip) button
- ⑤ TUNE ▼/◀◀ (back skip) button
- ⑥ Disc compartment
- ⑦ ▲ (eject) button
- ⑧ ⏏ (release) button
- ⑨ LO (local) button
- ⑩ SEL (select) button
- ⑪ Preset station buttons (1 – 6)
- ⑫ INT (Intro) button
- ⑬ REP1 (repeat 1) button
- ⑭ RANDOM button
- ⑮ TAPE/MD IN jack (3.5-mm dia.)
- ⑯ PS (preset scan)/A.ME (auto memory) button
- ⑰ DISP (display) button
- ⑱ INFO (my information) button

Display window

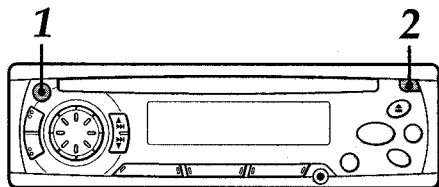
- ⑲ Band indicator
- ⑳ CD indicator
- ㉑ TAPE indicator

- ㉒ Track/Preset station number indication
- ㉓ AM/PM (clock) indicator
- ㉔ Main display section
- ㉕ ST (stereo) indicator
- ㉖ MY INFO (my information) indicator
- ㉗ LO (local) indicator
- ㉘ H-BASS (High BASS) indicator
- ㉙ SCAN indicator
- ㉚ RANDOM indicator
- ㉛ REPEAT indicator
- ㉜ VOL (volume) indicator
- ㉝ BASS (bass) indicator
- ㉞ TRE (treble) indicator
- ㉟ BAL (balance) indicator
- ㊱ FAD (fader) indicator
- ㊲ MUTE indicator
- ㊳ Audio level indicator

Rear panel

- ㉿ Antenna jack
- ④① REAR preout jacks
- ④② Power supply/speaker connector
- ④③ Fuse

DETACHING AND ATTACHING THE FRONT PANEL

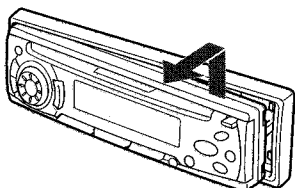


You can detach the front panel from the unit and carry it with you when you leave your car unattended.

When you carry the front panel out of your car, use the supplied carrying case.

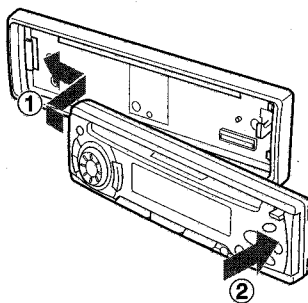
Before detaching the front panel, remove the CD to prevent possible damage to the unit.

- 1 Press and hold PWR for more than two seconds to turn the unit off.**
- 2 While supporting the front panel with one hand, press $\uparrow$ to release one side of the panel. Care must be taken not to drop the panel. It may suddenly become detached at this point.**
- 3 When the front panel is lifted from the unit, remove it by pulling it away from the unit.**



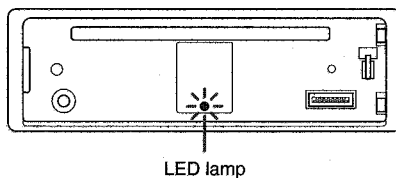
Do NOT touch the connector on the reverse side of the front panel, as doing so may contaminate the connector and cause poor connection, resulting in a malfunction.

Attaching the front panel

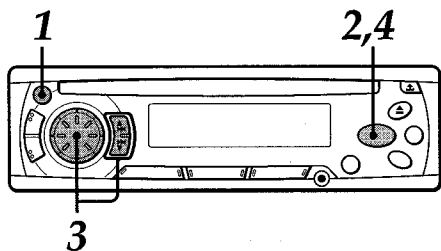


Security Lamp

When the front panel is detached, you can find an LED lamp on the front side of the unit. This lamp is designed to deter theft, and continues to flash when the front panel is detached. This unit is not equipped with any other security system, such as a security alarm, so there are limitations to its effectiveness.



SETTING THE CLOCK



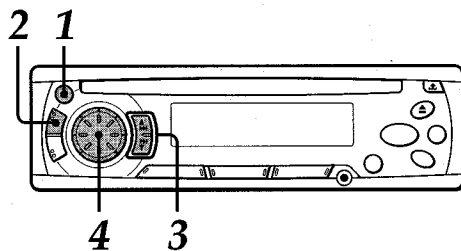
- 1 Press PWR to turn the unit on.
- 2 Press and hold DISP for more than 2 seconds.



- 3 Press TUNE ▲, then rotate the Jog Dial to set the hour.
Press TUNE ▼, then rotate the Jog Dial to set the minute.
Rotate the Jog Dial clockwise to go forward.
Rotate the Jog Dial counterclockwise to go backward.
- 4 Press DISP.
The clock starts working from 0 second.

To have the clock displayed when the unit is on
Press DISP. To return the unit to its former display, press DISP again.

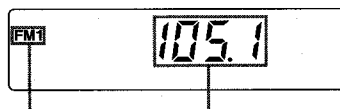
RADIO OPERATION



- 1 Press PWR to turn the unit on.
- 2 Press FUNC repeatedly to select the band from among FM1, FM2, FM3, AM1, and AM2.

The band indicators appear cyclically in order.

- FM1, FM2 and FM3 share the same frequency range.
- AM1 and AM2 share the same frequency range.



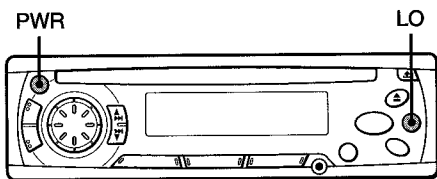
Band indicator Frequency indication

- 3 Press (and hold for more than 2 seconds) either TUNE ▼ or TUNE ▲ to tune in the desired station.
The unit starts scanning and tunes in a station automatically (seek tuning).
Press TUNE ▼ to decrease and TUNE ▲ to increase the frequency.
Press the button again to cancel seek tuning.
Repeat the procedure until the desired station is tuned in.

Note

If you press (for less than 0.5 second at a time) either TUNE ▼ or TUNE ▲, the frequency decreases or increases step by step.

- 4 Adjust the volume with the Jog Dial.



To turn the unit off

Press and hold PWR for more than two seconds. If you press this button for less than two seconds, it functions as MUTE.

Note

The unit turns on in the last mode selected when you turned off the unit.

Switching modes

When the unit is in Radio mode, inserting a CD switches the unit to CD Play mode automatically.

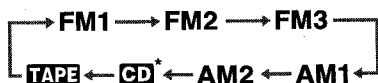
LO (local/DX) button

You can use Local mode when you wish to tune in only strong stations during seek tuning. In Radio mode, press LO to select Local mode. The "LO" indicator lights up.

- Press LO to cancel Local mode and switch to DX (distance) mode.
- The "ST" (stereo) indicator lights up when the tuned-in station is broadcasting in stereo and the reception is good.

FUNC (function) button

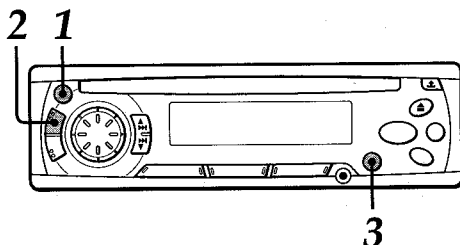
Each time you press FUNC, the unit switches to one of the following modes, in cyclic order.



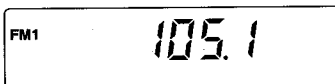
*The "CD" indicator is lit while a CD is in the player and the power is on. If there is a CD already in the player, select CD Play mode to start CD play.

PRESETTING STATIONS

To preset stations automatically (auto memory)



- 1 Press PWR to turn the unit on.
- 2 Press FUNC repeatedly to select a desired band from among FM1, FM2, FM3, AM1, and AM2.



- 3 Press and hold A.ME for more than 2 seconds to activate the automatic presetting function.

This unit can store up to 6 stations in memory for the preset station buttons 1 to 6 (with the "LO" (local) indicator lit).

If the unit could not find strong stations, the "LO" (local) indicator goes off, and a search begins for weaker stations.

Use this function to automatically preset up to 6 stations each for FM1, FM2, FM3, AM1, and AM2 (up to a total of 30 stations).

- When the auto memory operation is completed, the station assigned to preset station button 1 is tuned in.
- To stop the auto memory operation, press A.ME again.

To check the preset stations (preset scan)

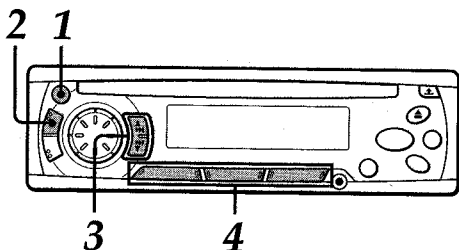
- If you wish to check the preset stations, press A.ME for less than 2 seconds. The preset stations stored in memory will be tuned in for 5 seconds each in order.
- To stop this function, press A.ME again or press any of the preset station buttons 1 to 6.

continued

PRESETTING STATIONS

To preset stations manually

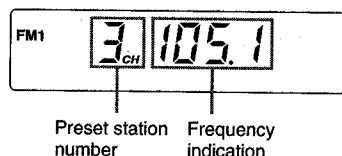
You can manually preset stations that have not been selected by an auto memory operation.



- 1 Press PWR to turn the unit on.
- 2 Press FUNC repeatedly to select the band from among FM1, FM2, FM3, AM1, and AM2.
- 3 Tune in the station that you wish to preset with TUNE ▼ or TUNE ▲.
- 4 Press and hold one of the preset station buttons 1 to 6 for approximately 2 seconds.

While the station you are presetting is being registered in memory, the unit beeps.

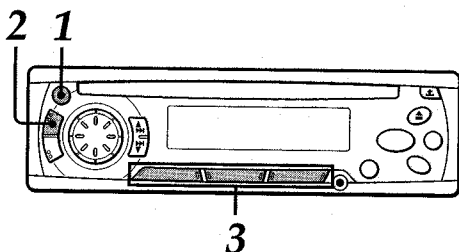
The preset station number appears to the left of the frequency indication.



Repeat these procedures to preset up to 6 stations each for FM1, FM2, FM3, AM1, and AM2.

- If you preset a station on a preset station button on which another station of the same band has already been preset, the previously preset station will be erased.

To tune in a preset station



- 1 Press PWR to turn the unit on.
- 2 Press FUNC repeatedly to select a desired band from among FM1, FM2, FM3, AM1, and AM2.
- 3 Press the desired preset station button. The preset station number appears to the left of the frequency indication.

Active tuning reception control (ATRC)

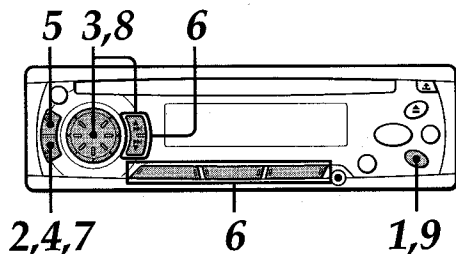
This unit automatically suppresses FM noise caused by varying signal strength resulting from movement of the car.

- The built-in automatic blending circuit mixes the left and right channel signals according to the strength of the reception. At the same time, the high-cut circuit activates to maintain sound quality.
- If the reception becomes even weaker, the unit automatically switches to Monaural mode to reduce noise.

MY INFORMATION SWITCH

You can timer-activate the radio for a daily radio program. The unit turns on and off in Radio mode at the preset turn-on and turn-off times automatically.

Setting the timer



- 1 With the unit off, press and hold INFO for more than 2 seconds.

The "PO" indication flashes in the display window.



- 2 Press SEL.

The timer indication flashes.



- 3 Set the time you wish the unit to turn on in Radio mode.

Press TUNE ▲, then rotate the Jog Dial to set the hour.

Press TUNE ▼, then rotate the Jog Dial to set the minute.

- 4 Press SEL.

The radio indication flashes.



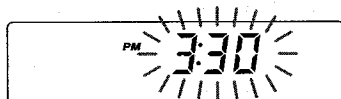
Band indicator

- 5 Press FUNC to select the band.

- 6 Tune in the desired station by pressing TUNE ▼ or TUNE ▲ or one of the preset station buttons 1 to 6.

- 7 Press SEL.

The timer indication flashes.



- 8 Set the time you wish the unit to turn off.

Press TUNE ▲, then rotate the Jog Dial to set the hour.

Press TUNE ▼, then rotate the Jog Dial to set the minute.

- 9 Press and hold INFO for more than 2 seconds.

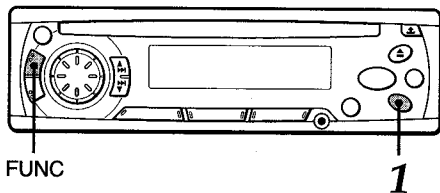
Your setting is stored in memory, and the unit turns off.

- To cancel a timer setting in progress, press and hold PWR for more than two seconds.

continued

MY INFORMATION SWITCH

Activating the timer



1 With the unit on, press INFO.

The "MY INFO" indicator lights up and the timer is activated.

The "MY INFO" indication flashes between turn-on time and turn-off time.

To cancel the timer

Press INFO again so that the "MY INFO" indicator disappears.

To check the setting

With the unit off, press INFO.

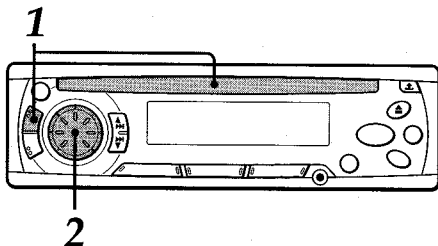
The turn-on time, followed by the radio frequency and the turn-off time, appears in the display window, each for 1 second, then the unit turns off.

Notes

- Even if the unit is in a mode other than Radio mode, the unit switches to Radio mode, and tunes in the preset radio program at the preset time automatically. When the program is over, the unit returns to the former mode automatically.
- Even if the unit is turned off and on, or the front panel is detached and attached, this function is active until turn-off time.
- Even if you are listening to a radio program with this function, pressing FUNC switches the unit to another mode. If you switch modes with FUNC, the unit does not turn off at the turn-off time of the timer.

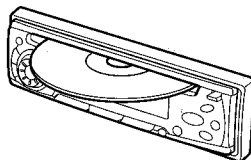
CD PLAY

You can play a CD, CD-R, or CD-RW by following the procedure below.



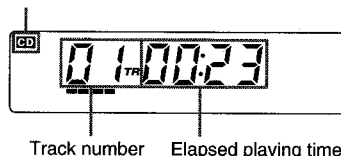
1 Insert a CD with the labeled side upward to start CD play.

If a CD is already inserted, press FUNC repeatedly to select CD Play mode to start CD play.

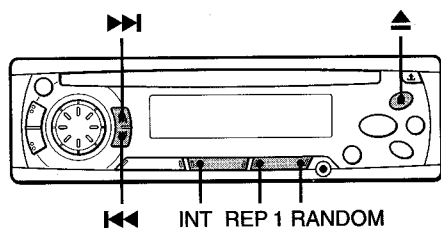


The track number and elapsed playing time will be displayed.

CD indicator



2 Adjust the volume with the Jog Dial.



Button operations in CD Play mode

Press	To
	Eject a CD.
	Skip to the next track with a short press (for less than 0.5 second). Each extra press skips forward one extra track. To search forward rapidly, press and hold until the desired part is played, then release it.
	Restart the track currently in play with a short press (for less than 0.5 second). Each extra press skips backward one extra track. To search backward rapidly, press and hold until the desired part is played, then release it.

Notes

- Smaller 3-inch (8-cm) CDs cannot be played on this unit. And do not use an adaptor, as it may cause a malfunction.
- When you insert a CD, CD play starts with the first track on the CD. In other cases (when switching from the radio operation or turning on the unit), CD play starts at the point on the CD where it had stopped previously.
- When you insert a CD-R/CD-RW, it may take longer to start playing.
- A CD-R/CD-RW cannot be played if it contains no data or data in the wrong format, etc. In those cases, the indication "ER03" appears.

Intro play

Press INT during CD play.

The "SCAN" indicator lights up, and the first 10 seconds of all the tracks on the CD are played in order.

When the desired track is found, press INT again. The unit returns to normal CD play.

Repeat play

Press REP1 during CD play.

The "REPEAT" indicator lights up, and the currently selected track is played repeatedly.

Press REP1 again to cancel Repeat play.

Note

If Repeat play is not activated, all the tracks on the CD are played repeatedly.

Random play

Press RANDOM during CD play.

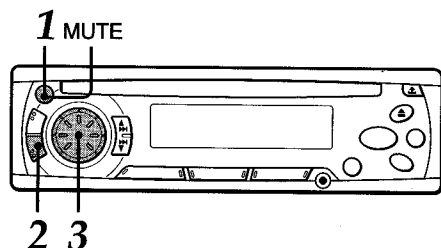
The "RANDOM" indicator lights up, and the tracks on the CD are played in random order.

Press RANDOM again to cancel Random play.

Note

During Random play, even if is pressed repeatedly, it won't take you back to previous tracks, only to the beginning of the current track.

SOUND ADJUSTMENTS



- 1 Press PWR to turn the unit on.
- 2 Press SEL repeatedly to select the mode that you wish to adjust from: VOL (volume), BASS, TRE (treble), BAL (balance), FAD (fader).

Each time you press SEL, one of the following indicators appears, in cyclic order.



If you do not proceed with step 3 within 5 seconds, the selected mode is canceled, and the indication returns to the current source mode.

- 3 Rotate the Jog Dial to adjust the level. Adjust each mode referring to the audio control indications in the display window.

	Counterclockwise	Clockwise
VOL	Decreases the volume level	Increases the volume level
BASS	Decreases the bass level	Increases the bass level
TRE	Decreases the treble level	Increases the treble level
BAL	Decreases the level of the right speaker(s)	Decreases the level of the left speaker(s)
FAD	Decreases the level of the front speakers	Decreases the level of the rear speakers

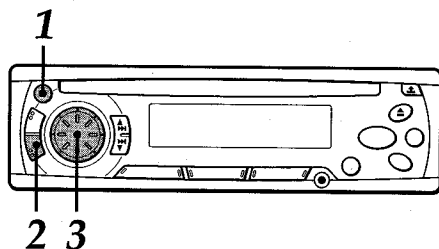
Without selecting any mode with SEL, only the volume level can be adjusted by rotating the Jog Dial.

MUTE button

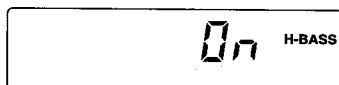
Press this button to temporarily lower the volume. Press it again to restore the previous volume. The audio control indications in the display window flash while the mute function is active.

H-BASS (High BASS)

You can enjoy music with strong bass sound.



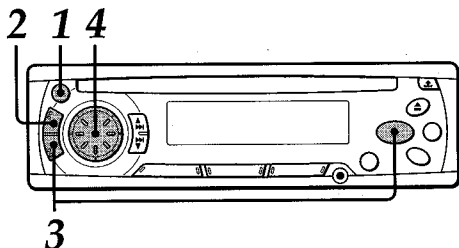
- 1 Press PWR to turn the unit on.
- 2 Press SEL repeatedly to select H-BASS (High BASS) mode.



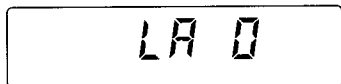
- 3 Rotate Jog Dial to select on or off. Select On to obtain powerful bass. The "H-BASS" indicator lights up. Select OFF to cancel H-BASS.

Source level adjuster

You can adjust the output level in each mode to equalize the volume level.



- 1 Press PWR to turn the unit on.**
- 2 Press FUNC repeatedly to select mode.**
- 3 Press SEL and DISP at the same time.**
The "LA 0" indication appears.

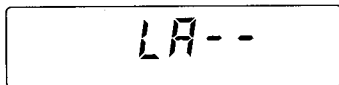


- 4 Rotate the Jog Dial to adjust the level.**
Rotate clockwise to increase the output level.
Rotate counterclockwise to decrease the output level.
If you do not operate the Jog Dial within five seconds, this mode is canceled, and the indication returns to the current source mode.

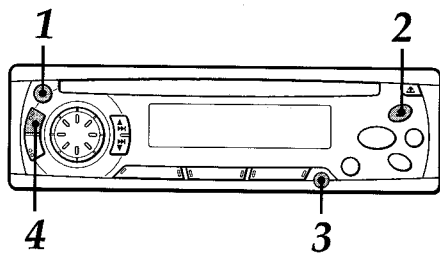
Returning to the factory settings

Adjusted settings of VOL, BASS, TRE, BAL, FAD, H-BASS, and source level can be returned to the factory settings with a simple operation.

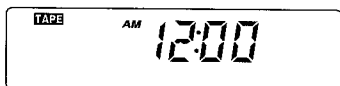
- 1 With the unit off, press and hold DISP for more than two seconds.**
The "LA--" indication appears, and all sound settings are returned to the factory settings.



CONNECTING A PORTABLE CASSETTE/MD/MP 3 PLAYER OR OTHER EQUIPMENT



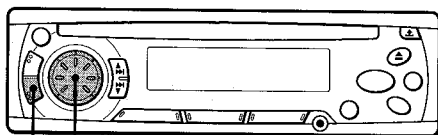
- 1 Press PWR to turn the unit on.
- 2 If a CD is inserted, remove it to prevent possible damage to the unit.
- 3 Connect a portable cassette/MD/MP 3 player, etc. via the TAPE/MD IN jack (3.5-mm dia.) on the unit.
- 4 Press FUNC repeatedly to select TAPE/MD IN mode to output sound received from the connected equipment.
The "TAPE" indicator lights up.
The clock display appears.



- For further information on the portable cassette/MD/MP 3 player, etc., refer to the operating instructions for that equipment.

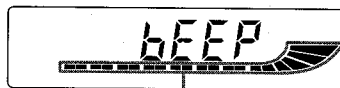
SETTING THE BEEP TONE

The unit is preset at the factory to beep each time you press any button on the front panel except $\updownarrow$ (no beep with the Jog Dial). You can mute this beeping by following the procedure below.



1,3 2

- 1 With the unit off, press and hold SEL for more than two seconds.
The "bEEP" indication appears.
- 2 Rotate the Jog Dial to select on or off.
The beep function is activated when the "bEEP" indication appears with the audio level indicator lit, and canceled when not displayed.



Audio level indicator

- 3 Press and hold SEL for more than two seconds.

TROUBLESHOOTING

Error code

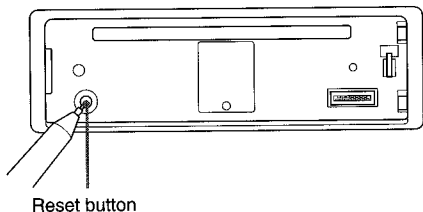
In the following case the corresponding error code indication appears. Follow the suggestions below to solve the problem. If the error code indication does not disappear, consult an AIWA service center.

ER03 Focus error. Check that the CD is loaded properly (right side up, etc.), and the CD contains proper data.

Reset button

The Reset button is visible when you detach the front panel. Try pressing this button if a CD does not operate properly. When you press this button, use the tip of a pointed object such as a pencil or toothpick.

Note that your setting stored in memory, however, will be erased if you press this button.



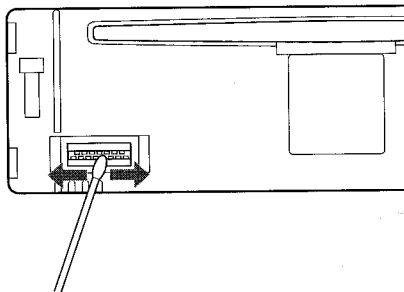
MAINTENANCE

Cleaning the front panel

When the front panel is soiled, wipe the surface with a soft, dry cloth.

Cleaning the connector

The connector on the reverse side of the front panel needs to be cleaned occasionally. Wipe the surface of the connector with a cotton swab slightly moistened with alcohol.



SPECIFICATIONS

RADIO SECTION

(FM)

Frequency Range: 87.5 MHz–108 MHz
(100-kHz steps)
87.5 MHz–108 MHz
(50-kHz steps)
Usable Sensitivity: 12.7 dBf
50 dB Quieting Sensitivity: 17.2 dBf
IF Rejection: 80 dB
Frequency Response: 30 Hz–15,000 Hz
S/N Ratio: 63 dB
Stereo Separation: 35 dB at 1 kHz
Alternate Channel Selectivity: 70 dB
Capture Ratio: 3 dB

(AM)

Frequency Range: 530 kHz–1,710 kHz
(10-kHz steps)
531 kHz–1,602 kHz
(9-kHz steps)
Usable Sensitivity: 30 μ V (30 dB)

Set the frequency increment for your area using the switch on the bottom of the unit.

(The switch is set at the factory to the 10k position [for the U.S.A.])

CD SECTION

Frequency Response: 17 Hz–20 kHz $\pm 0/-3$ dB
Dynamic Range: More than 80 dB
Channel Separation: More than 65 dB
S/N Ratio: More than 85 dB
Wow/Flutter: Unmeasurable

AUDIO SECTION

Max. Power Output: 45 W $\times$ 4 channels

TAPE/MD IN input

Input sensitivity (load impedance)

TAPE/MD IN: 500 mV (10 k Ω)

GENERAL

Power-Supply Voltage:

14.4 V (11 to 16 V allowable),
DC, negative ground

Load Impedance:

4 Ω

Tone Control:

Bass $\pm$ 10 dB at 100 Hz

Treble $\pm$ 10 dB at 10 kHz

Preamp Output Voltage (load impedance):

2.2 V (10 k Ω)

Installation size:

182 (W) $\times$ 53 (H) $\times$ 155 (D) mm

(7 1/4 (W) $\times$ 2 1/8 (H) $\times$

6 1/8 (D) inches)

Accessory supplied:

Carrying case (1)

Specifications and external appearance are subject to change without notice due to product improvement.

